PATENT ABSTRACTS OF JAPAN

(11)Publication number:

06-205496

(43) Date of publication of application: 22.07.1994

(51)Int.CI.

H03H 17/06 H04R 1/40

(21)Application number : 05-001321

(71)Applicant : PIONEER ELECTRON CORP

(22)Date of filing:

07.01.1993

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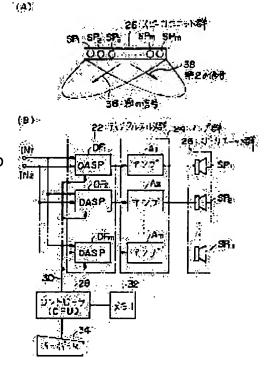
CHIYOU SHISE!

(54) SPEAKER EQUIPMENT

(57) Abstract:

PURPOSE: To emit a sound from a speaker with a desired directivity by employing the speaker directivity control technology.

CONSTITUTION: The speaker equipment is provided with plural speaker unit groups 26 arranged at least in a line and digital filter groups 22 respectively connecting to the plural speaker unit groups 26. Plural audio signals are inputted in common to each digital filter and a characteristic of each digital filter is respectively revised with respect to the plural audio signals to allow a correspondent speaker unit to have a desired directivity for the plural audio signals. When 1st and 2nd signals are inputted to digital filters DF1-DFm, the digital filters DF1-DFm apply parallel processing to the two inputted



audio signals to allow the speaker unit group 26 to have a desired beam directivity. Thus, a signal is sounded from the speaker with the desired directivity.